DECLARATION

AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: SYSTEMS AND METHODS FOR VALIDATION, COMPLETION AND CONSTRUCTION OF EVENT **RELATIONSHIP NETWORKS**

the specification of which is attached	ed hereto or indicates an	attorney docket no. YOR920010748US1, or:		
☐ was filed in the U.S. Patent & T	rademark Office on	and assigned Serial No		
□ and (if applicable) was amended				
as amended by any amendment refe and to the examination of this appl priority benefits under Title 35, U.S.	erred to above. I acknow ication in accordance with S. Code §119(a)-(d) or §3 application which designants), listed below and harman series.	the contents of the above-identified specification, ledge the duty to disclose information which is meth Title 37, Code of Federal Regulations §1.56. If 365(b) of any foreign application(s) for patent or nated at least one country other than the United State also identified below any foreign applications from which priority is claimed:	aterial to patental hereby claim for inventor's certificates, or §119(e) of	reign cate, f any tor's
(Application Number)	(Country)	(Day/Month/Year filed)		
A di reducción de la companya de la			Yes [] No)[]
(Application Number)	(Country)	(Day/Month/Year filed)		
International application designation application is not disclosed in the	ng the United States, listed prior United States or 112, I acknowledge the class which became avail	ode §120, of any United States application(s), or ed below and, insofar as the subject matter of each PCT International applications(s) in the manner duty to disclose information material to patentabiliable between the filing date of the prior application	provided by the lity as defined in and the nation	first Title
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)		
		(CTT ATTI IC		
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)		

I hereby appoint the following attorneys: MANNY W. SCHECTER, Reg. No. 31,722; LAUREN C. BRUZZONE, Reg. No. 35,082; CHRISTOPHER A. HUGHES, Reg. No. 26,914; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, JR., Reg. No. 18,753; STANLEY B. GREEN, Reg. No. 24,351; STEPHEN C. KAUFMAN, Reg. No. 29,551; ROBERT M. TREPP, Reg. No. 25,933; LOUIS P. HERZBERG, Reg. No. 41,500; DANIEL P. MORRIS, Reg. No. 32,053; PAUL J. OTTERSTEDT, Reg. No. 37,411; LOUIS J. PERCELLO, Reg. No. 33,206; DOUGLAS W. CAMERON, Reg. No. 31,596; MARIAN UNDERWEISER, Reg. No. 46,134; RICHARD M. LUDWIN, Reg. No. 33,010; MARC A. EHRLICH, Reg. No. 39,966; ROBERT P. TASSINARI, JR., Reg. No. 36,030; DEREK S. JENNINGS, Reg. No. 41,473; GAIL H. ZARICK, Reg. No. 43,303; and TIMOTHY M. FARRELL, Reg. No. 37,321; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

> William E. Lewis RYAN, MASON & LEWIS, LLP 90 Forest Avenue Locust Valley, NY 11560

Tel.: (516) 759-2946

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE I	NVENTOR: Genady Grabarnik	Citizenship	
Inventor's signature: Residence & Post Office address:		Date:	
	NVENTOR: <u>Joseph L. Hellerstein</u> 41 Wolden Road		U.S.A.
	Ossining, New York 10562		
Section 2	VENTOR: Sheng Ma		P.R. China
Residence & Post Office address:	13 Justine Court Briarcliff Manor, NY 10510		
FUEL NAME OF FOURTH JOINT I	Citizenship _	P.R. China	
Inventor's signature: Residence & Post Office address:	102 Babbitt Road Bedford Hills, New York 10507	Date:	
FULL NAME OF FIFTH JOINT IN	VENTOR: David Hutchinson Thoenen		
Inventor's signature:		Date:	
Residence & Post Office address:	7017 Tanbark Way Raleigh, North Carolina 27615		